

County of San Diego

Multiple Species Conservation Program

South County Subarea Plan Annual Report

Year 12, Reporting Period: January 1, 2009 - December 31, 2009

April 14, 2010



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Photos on cover: Taken from El Monte Preserve facing El Capitan Preserve; Mountain lilac (Ceanothus) found on Oakoasis Preserve; and a Red diamond rattlesnake (Crotalus ruber) found on the Del Dios Highlands Preserve

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EXECUTIVE SUMMARY

This is the twelfth annual habitat tracking report for the County of San Diego Multiple Species Conservation Program (MSCP) South County Subarea Plan (Subarea Plan) prepared in conformance with Section 14.2 of the Implementing Agreement executed on March 17, 1998. This report accounts for habitat gain and loss associated with acquisitions and development projects from January 1, 2009 through December 31, 2009 within the Subarea boundaries. This report includes a discussion of land acquisitions, management and monitoring programs, and funding sources that are utilized by the County to meet its MSCP implementation obligations. Highlights of activities within the Subarea are summarized below:

Habitat Gains and Losses

During this reporting period there have been 1,431 acres of habitat gain and 114 acres of habitat loss. The entire 1,431 acres of habitat gain is within the Pre-approved Mitigation Area (PAMA) and private hardline preserve boundaries which count towards the County's conservation goal. Of the 114 acres of habitat loss, only five acres occurred within the PAMA. Since 1998, cumulative habitat gains and losses within the PAMA total 71,490 acres and 1,147 acres, respectively. The cumulative habitat gain within the PAMA represents 73% of the County's conservation goal.

Land Acquisitions

There was a Federal acquisition of 29 acres (habitat gain) by the U.S. Fish and Wildlife Service (USFWS). There were no State or County land acquisitions within the Subarea during this reporting period. However, the County has purchased over 50% (4,750 acres) of its total acquisition commitment of 9,425 acres within the first 12 years of this 50-year program.

Rough Step: Preserve Assembly & By Vegetation Type

The County has maintained conservation in rough step with development. The objective of the MSCP is being met as the majority of habitat preservation has occurred within the PAMA, while the majority of development has occurred outside of the PAMA. In particular, the Metro-Lakeside-Jamul Segment is in rough-step with conservation targets for various vegetation types (Table 6).

County Preserve Management

The County completed seven Resource Management Plans (RMPs) in 2009. In accordance with adaptive management directives outlined in the approved RMPs, the County provides basic stewardship of County preserves including access control, park ranger patrols, fence and gate installation and repair and trash removal. Ongoing management activities performed in 2009 include removal of non-native and invasive species, erosion control, trail rehabilitation, and fuel management activities. A cactus

wren restoration project at Salt Creek within the Otay Ranch Preserve funded by a TransNet Environmental Mitigation Program (EMP) grant awarded to the County by the San Diego Association of Governments (SANDAG) was also initiated within the reporting period.

Management of Private Mitigation Lands

As a condition of project approval, developers who choose to set aside private mitigation lands, which total 50 acres or more, for development projects are required to submit a Habitat Management Plan (HMP) to the Department of Planning and Land Use (DPLU) prior to Final Map. Once the HMPs are approved by DPLU, the developers are required to submit annual reports detailing the monitoring and habitat management activities conducted within the dedicated habitat conservation area (HCA). As of the reporting period, 16 projects within the Subarea Plan have been conditioned to submit HMPs (Table 8). Fourteen projects have approved HMPs. Four projects, 4S Ranch, Blossom Valley, The Crosby and Rancho Santa Fe and Woodridge submitted annual reports. DPLU is in the process of obtaining the status of HMP and annual reports from the remainder of the projects. As necessary, DPLU will send demand letters to either submit a HMP, submit annual monitoring and management reports, or implement the HMPs to those projects that are non-compliant with their project condition.

County Preserve Biological Monitoring

Baseline (or initial) biological and cultural monitoring surveys were completed at seven preserves in association with the completion of the RMPs. MSCP Monitoring Data Tracking maps, which depict the planned schedule of on-going monitoring activities for preserves with completed RMPs, can be viewed online at http://www.co.san-diego.ca.us/parks/management_plans.html. Within this reporting period, ongoing monitoring was initiated at Barnett Ranch Preserve and the Tijuana River Valley Regional Park. More information is included in Section 3.1 of this report.

Financial Summary

During 2009, the County Board of Supervisors appropriated \$10 million for acquisition of open space throughout the Subarea and North, and East County plan areas. As of December 31, 2009, the County had contributed approximately \$16.7 million, leveraged with an additional \$26.1 million in other funding, to acquire 4,750 acres of land within the South County MSCP Subarea Plan. The Board of Supervisors also appropriated \$4.7 million for ongoing management and monitoring efforts for approximately 33,000 acres within the Subarea and future North and East County plan areas.

1.0 INTRODUCTION

The purpose of this document is to provide a summary on the current status of the Multiple Species Conservation Program (MSCP) South County Subarea Plan (Subarea Plan) for the reporting period (January 1, 2009 – December 31, 2009) including:

- Habitat gains and losses;
- Permits, amendments, and other implementation activities;
- Management and monitoring activities and issues; and
- Funding and expenditures.

Annual tracking of Subarea gains, losses, management, and monitoring is required by Section 14.2 of the Implementing Agreement dated March 17, 1998 and the Habitat Conservation Plan/Natural Community Conservation Program Plan (HCP/NCCP Plan) take permits/ authorizations.

The previous County MSCP annual reports contained information from Subarea Plan inception (October 1997) through last reporting period (January 2008 – December 2008), as well as additional historical information. This additional information was included to provide a background for understanding assumptions about implementing the Subarea Plan. Background information on the MSCP can be found at www.mscp-sandiego.org. From this point forward, the MSCP annual report will only provide information on activities conducted during a given reporting year.

2.0 HABITAT GAINS AND LOSSES

This annual report accounts for habitat preserved (gain) within the PAMA and habitat developed or removed (loss) both within and outside of the PAMA. In addition to gain associated with acquisitions, habitat gain and loss may be associated with the following types of development projects, as well as other discretionary projects for which approvals were granted during the reporting period:

- Private projects (tentative maps/tentative parcel maps) with final map approval;
- Projects that have been issued grading permits;
- Building permits exempt from the Biological Mitigation Ordinance (BMO);
- New agricultural clearing exempt from the BMO;
- Lands acquired by the County or other governmental agency for preservation purposes;
- Approved mitigation bank lands with at least one credit utilized; and
- Changes to the Subarea preserve boundaries, including amendments and annexations.

During this reporting period there were 1,431 acres of habitat gain. Of the 1,431 acres, 1,248 acres were associated with an Otay Ranch conveyance into the private hardline preserve boundary in the South County segment, 154 acres were associated with a recorded easement by the Endangered Habitat League, and 29 acres were associated with a federal acquisition (see Section 2.1). Of the 114 acres of habitat loss, only five acres occurred within the PAMA. Since 1998, there have been 71,490 acres of habitat gain and 1,147 acres of habitat loss within the PAMA. This cumulative habitat gain within PAMA represents 73% (71,490/98,379 acres) of the County's conservation goal. Table 1 shows the habitat gains and losses by Subarea segment for the current 2009 reporting year, as well as cumulative gains and losses since the inception of the MSCP. Detailed accounting is provided in Tables 4 and 5 and graphically in Figures 1 and 2, at the end of this report.

Table 1. Habitat Gains and Losses through December 31, 2009

	Metro- Lakeside- Jamul Segment North	Metro- Lakeside- Jamul Segment South	Lake Hodges Segment	South County Segment	Total*
GAINS (acres)					
Habitat Gain within PAMA (2009)	0.0	153.9	0.0	1,277.3	1,431.2
Cumulative Habitat Gain within PAMA (1998-2009)	14,431.5	12,042.3	3,504.1	37,821.2	67,799.1
LOSSES (acres)					
Habitat Loss outside of PAMA (2009)	42.2	30.4	0	37.1	109.7
Habitat Loss within PAMA (2009)	4.0	0.3	0.3	0.0	4.6
Total Habitat Loss (2009)	46.2	30.7	0.3	37.1	114.3
Cumulative Habitat Loss within PAMA (1998-2009)	422.9	490.4	100.9	132.8	1,147.0
Cumulative Habitat Loss outside PAMA (1998-2009)	2,556.6	2,693.9	2,931.4	481.5	8,663.4
Cumulative Habitat Loss within & outside PAMA (1998-2009)	2,979.5	3,184.3	3,032.3	614.3	9,810.4
<i>* Total includes Urban/Developed Land.</i>					

Table 2 illustrates the County's progress to date in meeting its preservation requirement based on County, State, and Federal baseline and acquisition requirements, as well as private baseline and mitigation required by the BMO for development projects.

Table 2. Preservation Requirements Pursuant to the MSCP

County of San Diego MSCP Assembly Plan	Preservation Goal (acres)	Preserved as of 12/31/09 (acres)
County Baseline (Currently Preserved Lands)		
Metro/Lakeside/Jamul		
Boden Canyon	40	40
El Capitan Preserve	2,839	2,839
Oakosasis Preserve	397	397
Sycamore Canyon Preserve	1,819	1,819
South County	346	346
State and Federal Baseline (Currently Preserved Lands)		
Metro/Lakeside/Jamul	1,535	1,535
South County	28,705	28,705
Private Mitigation		
Private Baseline and Mitigation through BMO	43,848	12,439
County Acquisition Requirement	9,425	4,750
State and Federal Acquisition Requirement	9,425	18,620
TOTAL ACRES MSCP SOUTH COUNTY SUBAREA PLAN	98,379	71,490

2.1 Acquisitions

Section 10.4 of the Implementing Agreement requires that both the County and Wildlife Agencies acquire 18,850 acres (9,425 acres each) within the PAMA as their fair share of the overall conservation goal. The County has purchased over 50% (4,750 acres) of its total acquisition commitment within the first 12 years of this 50-year program. There were no County or State land acquisitions within the Subarea in 2009. There was a Federal acquisition by USFWS totaling 29 acres within the PAMA during this reporting period.

2.2 Mitigation Banks

Since the adoption of the MSCP, several mitigation banks have been established in the County (Table 3). These banks are utilized by the Department of Public Works for public projects, such as road improvements. There are two types of mitigation banks found in the County: 1) mitigation banks that are approved by the Wildlife Agencies and 2) mitigation banks that do not have the formal approval of the Wildlife Agencies. In addition to a signed agreement, approved mitigation banks are considered entirely preserved when the first credits are purchased, while the County only receives preservation credit at the time a conservation easement has been approved for mitigation banks without agreements. Banks without agreements need to clearly demonstrate their credit accounting methods and management considerations. For information on non-County mitigation banks, contact the mitigation bank operator or manager directly or visit: <http://www.dfg.ca.gov/habcon/conplan/mitbank/>, <http://ceres.ca.gov/topic/banking.html>, or http://sacramento.fws.gov/es/cons_bank.htm.

2.3 Rough Step: Preserve Assembly & By Vegetation Type

The majority of habitat gains have occurred within the PAMA, while the majority of development has occurred outside of the PAMA (Figures 1 and 2) indicating that overall conservation goals are being met.

Per Section 4.4 of the Subarea Plan and Section 14 of the Implementing Agreement, conservation of each vegetation type within the Metro-Lakeside-Jamul segment is presented in Tables 6¹ and 7 and the data indicates that conservation is proceeding in rough-step with development. The Metro-Lakeside-Jamul Segment is also in rough step with 12 of the 14 vegetation types utilized in the Habitat Conservation Accounting Model. The vegetation types that appear to be slightly out of rough-step are Oak Riparian Forest (by approximately two acres) and Riparian Scrub (by approximately 0.7 acres). It should be noted that existing vegetation maps utilized to develop baseline conditions in HabiTrak are regional in nature and may not be fully consistent with actual on-the-ground conditions in all cases. Additionally, some loss may not be offset by preservation because it is associated with building permits or ministerial actions which are exempt from both California Environmental Quality Act (CEQA) and the BMO but are still tracked under the IA (See Section 2.0).

3.0 MANAGEMENT AND MONITORING

In conformance with Section 10.9 (Preserve Management) and Section 14.5 (Biological Monitoring) of the Implementing Agreement, the County is responsible for managing and monitoring the land it owns or acquires as well as ensuring that other private mitigation lands that are dedicated to the County within the PAMA and County Subarea Plan are managed and monitored consistent with MSCP.

3.1 Preserve Management

The County Department of Parks and Recreation (DPR) completed Resource Management Plans (RMPs) for the following County-owned preserves in 2009:

- Del Dios Highlands
- El Capitan
- El Monte
- Lusardi Creek
- Oakoasis
- Stelzer
- Sycamore Canyon/Goodan Ranch

¹ A negative (-) sign indicates that conservation of the identified vegetation type is in rough-step; a positive (+) sign indicates that conservation is not in rough-step; and "n/a" indicates that conservation is not necessary or that the conservation goal has been achieved.

The RMPs for the Boulder Oaks, Lakeside Linkage, and Barnett Ranch preserves were completed in previous years. The RMP for the Otay Ranch Preserve, located in the South County segment, is complete and currently being updated. An RMP is in process for the Lawrence and Barbara Daley Preserve located in the South County segment of the Subarea. The Daley Preserve RMP is anticipated to be completed by Spring 2011. Once the RMP for the Daley Preserve is approved, all County preserves within the PAMA will have a RMP. Baseline biological and cultural surveys were conducted in association with the preparation of the RMPs. The RMPs and baseline biological and cultural reports can be viewed online at http://sdcounty.ca.gov/parks/management_plans.html.

In accordance with adaptive management directives outlined in the RMPs, DPR provides basic land stewardship of County preserves including access control, park ranger patrols, fencing and gate installation and repair, erosion control, trash removal, and fuel management. In 2009, over 59 miles of trails were maintained or rehabilitated throughout County parks/preserves within the PAMA. Fencing and signs at County parks/preserves were repaired and/or replaced, as needed, as part of ongoing routine maintenance efforts by DPR's ranger staff. Additionally, 205 trees that posed a hazard were pruned and 623 removed. Ongoing management activities performed in 2009 include:

Metro-Lakeside-Jamul Segment North

- ***Barnett Ranch:***

- During this reporting period, adaptive management actions for MSCP covered avian species and actions needed to meet DPR land management goals will be evaluated. DPR will determine if required conditions of species habitat for Cooper's hawk, rufous-crowned sparrow, and western bluebird (*Sialia mexicana*) are being met within the Preserve. Based on the results, the existing Resource Management Plan may be updated. Additionally, DPR will determine if new adaptive management recommendations are needed or if existing recommendations need to be changed to enable habitat value, species population, and wildlife movement to be maintained and allow for public access and safety.

- ***Boulder Oaks:***

- Preserve is currently closed to the public and signage was posted at the perimeter of the preserve stating so
- Trail maintenance and rehabilitation

- ***El Capitan***

- Fencing erected to delineate the boundary of the trails was constructed
- Signs posted at trailheads to identify the area as a preserve and prohibit off-road vehicle activity
- Step-over bars placed at trailheads to deter off-road vehicle use
- Trail maintenance and rehabilitation

- ***Oakoasis***
 - Gates and step-bars placed at trailheads to deter off-road vehicle use
- ***Sycamore Canyon/Goodan Ranch***
 - Signs posted at trailheads to identify the area as a preserve and prohibit off-road vehicle activity
 - Trail maintenance and rehabilitation
 - Wildlife drinking stations maintained

Metro-Lakeside-Jamul Segment South

- ***Lakeside Linkage***
 - Fencing erected to delineate the boundary of the trails
 - Signs posted at trailheads to identify the area as a preserve and prohibit off-road vehicle activity
 - Step-over bars placed at trailheads to deter off-road vehicle use
 - Trail maintenance and rehabilitation

Lake Hodges Segment

- ***Lusardi Creek***
 - Trail maintenance and rehabilitation.

South County Segment

- ***Otay Ranch***
 - Cactus wren habitat restoration project at Salt Creek initiated (funded by a SANDAG TransNet EMP Fiscal Year 2008 grant and awarded to the County).
 - Additional signs throughout the Salt Creek property were posted stating "Off-road Activity Prohibited per County Ordinance 76.191a.
 - Signs throughout the Salt Creek property were posted stating "Sensitive Environmental Resources – Disturbance beyond this point is restricted."
- ***Tijuana River Valley Regional Park***
 - During this reporting period, adaptive management actions for MSCP covered avian species and actions needed to meet DPR land management goals will be evaluated. DPR will determine if required conditions of species habitat for Cooper's hawk (*Accipiter cooperii*), peregrine falcon (*Falco peregrinus*), least Bell's vireo (*Vireo bellii pusillus*), and rufous-crowned sparrow (*Aimophila ruficeps canescens*) are being met within the Preserve. Based on the results, the existing Resource Management Plan may be updated. Additionally, DPR will determine if new adaptive management recommendations are needed or if existing recommendations need to be changed to enable habitat value, species population, and wildlife movement to be maintained and allow for public access and safety.

In an effort to coordinate with other land managers and stay apprised of land management issues, such as illegal off-road vehicle use, the County regularly attends the South County Land Managers and SANDAG EMP Working Group meetings.

3.2 Management of Private Mitigation Lands

As a condition of project approval, developers who choose to set aside private mitigation lands, which total 50 acres or more, for development projects are required to submit a Habitat Management Plan (HMP) to the Department of Planning and Land Use (DPLU) prior to Final Map. Once the HMPs are approved by DPLU, the developers are required to submit annual reports detailing the monitoring and habitat management activities conducted within the dedicated habitat conservation area (HCA). As of the reporting period, 16 projects within the Subarea Plan have been conditioned to submit HMPs (Table 8). Fourteen projects have final HMPs. Four projects, 4S Ranch, Blossom Valley, The Crosby at Rancho Santa Fe and Woodridge submitted annual reports. DPLU is in the process of obtaining the status of HMP and annual reports from the remainder of the projects. As necessary, DPLU will send demand letters to either submit a HMP, submit annual monitoring and management reports, or implement the HMPs to those projects that are non-compliant with their project condition.

The monitoring period for 4S Ranch began in July 2008 and ended in March 2009. During the monitoring period, the burned vegetation exhibited a dramatic recovery from the 2007 wildfire, with vigorous new growth from surviving shrubs, and prolific wildflowers in spring 2008 and 2009. 18 thread-leaved Brodiaea plants in three locations were observed. These locations support variegated dudleya (*Dudleya variegata*), California adolphia (*Adolphia californica*), and San Diego goldenstars (*Muilla clevelandii*). Habitat management activities included regular patrol, fence repair trash/debris removal, and weed removal.

Biological surveys and monitoring in Blossom Valley focused on the vegetation component of the site's recovery from the 2003 Cedar Fire. During plant surveys Rufous-crowned sparrows (*Aimophila ruficeps canescens*), a mountain lion (*Felis concolor*) and sign of mule deer (*Odocoileus hemionus*) were observed. Later in the summer, several orange-throated whiptails (*Cnemidophorus hyperythrus beldingi*), a coast horned lizard (*Phrynosoma coronatum*), a California whipsnake (*Masticophis lateralis*), a southern pacific rattlesnake (*Crotalus viridis helleri*) and many granite spiny lizards (*Sceloporus orcuttii*) were also observed. Sensitive plant surveys were completed for the Campo Claria (*Clarkia delicata*) and Rush-like bristleweed (*Machaeranthera juncea*). Approximately 4,300 Campo clarkia were located on the HCA and an additional 1,550 individuals were located off of the HCA adjacent to the northern and southern boundaries of the HCA. The majority of the occupied Rush-like bristleweed was located off of the HCA. Only three individuals were located on the HCA and an additional 99 individuals were located off of the HCA along the southern boundary. Habitat management activities included routine patrols, installation of property markers along the northern and property lines, and posting

of mountain lion and rattlesnake signs at a trail head to educate and warn trail users of the presence or potential presence of these species. Additionally, Coastal sage scrub study plots were monitored. These plots were previously treated to test the effectiveness of grass specific herbicide on reducing nonnative grasses yet preserving native herbs and shrubs. In 2009, the study plots had an enormous native forb bloom, much more than the adjacent area that was not sprayed.

The vegetation within the Crosby at Rancho Santa Fe open space has substantially recovered since the 2007 wildfires. Large stands of southern willow scrub and freshwater marsh vegetation have emerged throughout the San Dieguito River. Coastal sage scrub and maritime chaparral have re-vegetated slopes from stump sprouts. Management activities included mapping invasive, erosion control, trash/debris removal, and fence construction.

Woodridge did not conduct biological surveys last year. However monitoring activities in previous years included bird community surveys, directed searches for the gnatcatcher, reptile surveys, ant surveys and vegetation community analysis. Other plant and animal species have been noted anecdotally during the surveys. Habitat management activities included regular patrol, site enforcement, trash pickup, clearing of the fire management zones as prescribed in April and May 2009, and non-native plant species were removed. Six olive trees and 5 small tamarisk trees were treated with herbicide.

3.3 Preserve Biological Monitoring

The main goal for biological monitoring is to collect high quality data to detect population trends, changes in habitat quality, and wildlife corridor functionality to guide adaptive management for the preserves. Baseline (or initial) biological and cultural monitoring surveys were completed in association with the preparation of RMPs at the Del Dios Highlands, El Capitan, El Monte, Lusardi Creek, Oakoasis, Stelzer, and Sycamore Canyon/Goodan Ranch preserves. Portions of Otay Ranch were also monitored. MSCP Monitoring Data Tracking maps, which depict the planned schedule of on-going monitoring activities for preserves with completed RMPs, can be viewed at the DPR offices and online at http://sdcounty.ca.gov/parks/management_plans.html.

During this reporting period, ongoing monitoring including habitat, wildlife corridor, rare plant and species specific animal monitoring was initiated at Barnett Ranch. More specifically, the habitat monitoring within the Preserve will focus on evaluation of habitat value to guide and prioritize adaptive management actions within the Preserve. These management actions will be designed to sustain populations of sensitive species and support wildlife movement corridors within the Preserve. Corridor monitoring will consist of monitoring the Southern mule deer (*Odocoileus hemionus*), indicative of wildlife corridors and linkages, and mammalian predator species (e.g. coyote and bobcat). Rare plant and species specific animal monitoring will include monitoring of the Felt-leaved monardella (*Monardella hypoleuca* ssp. *lanata*) and the Orange – throated whiptail. Once completed, monitoring results will

be available online at <http://www.sdcounty.ca.gov/parks/openspace/RMP.html#BarnettRanch>.

Monitoring was also initiated at Tijuana River Valley Regional Park as the County owns, and/or is responsible for managing and monitoring this land, in accordance with the City of San Diego's MSCP Subarea Plan. Habitat, rare plant, and species specific animal monitoring and focused plant surveys will be completed within the Park. More specifically, habitat monitoring within the Park will focus on evaluation of habitat value to guide and prioritize adaptive management actions within the Park. These management actions will be designed to sustain populations of sensitive species and support wildlife movement corridors within the Park. Rare plant and species specific animal monitoring will include monitoring of the Orcutt's bird's-beak (*Cordylanthus orcuttiannus*), Wart-stemmed ceanothus (*Ceanothus verrucosus*), San Diego barrel cactus (*Ferocactus viridescens*), Orange - throated whiptail (*Cnemidophorus hyperythrus beldingi*), Northern harrier (*Circus cyaneus*), Light-footed clapper rail (*Rallus longirostris levipes*) and southwestern willow flycatcher (*Empidonax traillii extimus*). Additionally, DPR will complete an avian survey along the official trail system of the Park to identify any South County MSCP covered or sensitive bird species, nests, or nesting behavior. As needed, recommendations regarding adaptive management regarding trail use and its potential effect on avian species will be included in the existing Resource Management Plan. The presence of Brown-headed cowbirds (*Molothrus ater*) will also be monitored within the Park. If cowbirds are found within the Park, DPR will determine if the cowbird population requires implementation of a trapping program and will include management measures to deter cowbird presence in the Resource Management Plan. Once completed, monitoring results will be available online at <http://www.sdcounty.ca.gov/parks/openspace/RMP.html#TRVRP>.

In an effort to coordinate with other land managers and stay apprised of monitoring issues, the County regularly attends the Regional Monitoring Meetings coordinated by SANDAG and attends the annual San Diego State University Vegetation Monitoring Workshop.

4.0 FINANCIAL SUMMARY

The County is responsible for acquiring, managing, and monitoring lands within the PAMA. The costs associated with these activities may be funded through local and regional sources.

County Contribution

During 2009, the County Board of Supervisors appropriated \$10 million for acquisition of open space throughout the adopted Subarea and planned North and East County plan areas. As of December 31, 2009, the County had contributed approximately \$16.7 million, which leveraged an additional \$26.1 million in other funding, to acquire 4,750 acres of land within the Subarea. The Board of Supervisors also appropriated \$4.7 million for ongoing

management and monitoring efforts within the Subarea² and future North and East County plan areas totaling approximately 33,000 acres. Beginning in 2008, the Board of Supervisors added \$2.2 million to the previous annual allocation of \$2.5 million for ongoing management and monitoring efforts within adopted and planned County MSCP plan boundaries. The average cost for stewardship, monitoring, and adaptive management is approximately \$150/acre. This is more than four times the original estimate of \$37/acre in the MSCP Plan (see Section 7 of the MSCP Plan, August 1998).

Regional Contribution

TransNet allows for a local half-cent sales tax for transportation improvements and associated mitigation (the \$850 million EMP). Funds for direct mitigation, management, and monitoring of regional transportation projects are placed into a Transportation Project Mitigation Fund, where they can be used as partial funding for regional acquisition, habitat management, and monitoring activities related to implementation of the MSCP, Multiple Habitat Conservation Program (MHCP), and future amendments to those plans. The regional transportation agency responsible for administering these funds is SANDAG.

On February 22, 2008, the SANDAG Board of Directors approved a budget of approximately \$2.9 million for the fiscal year 2008 TransNet EMP competitive grants for land management and monitoring activities. The County, as partners with the City of Chula Vista as the Preserver Owner/Manager of the Otay Ranch Preserve, was awarded \$125,000 during the 2008 grant cycle for a cactus wren restoration project at Salt Creek within the Otay Ranch Preserve. During this reporting period, approximately 10,000 coast cholla (*Opuntia prolifera*) and prickly pear (*Opuntia littoralis*) cactus cuttings were salvaged and planted along with native seed at a one-acre restoration and enhancement site. The grant provides management and monitoring of the project site over the next five5 years.

During the 2009 SANDAG TransNet EMP grant cycle, the County submitted five applications for land management projects within its Subarea. Unfortunately, none of the applications were funded.

On September 25, 2009, the SANDAG Board of Directors approved a budget of approximately \$2 million for the fiscal year 2010 TransNet EMP competitive grants for land management activities. The County has submitted four applications (two applications are partnerships with other agencies) for land management projects within the Subarea for a total of approximately \$527,000. The land management proposals include post-fire removal of emerging and existing invasive, non-native plants, the restoration of riparian habitat, and cactus wren habitat restoration. SANDAG will announce projects to be funded for the 2010 grant cycle by Summer 2010.

² The Otay Ranch Preserve does not receive general funding from the County but is funded by a Community Facilities District.

5.0 MSCP MAP UPDATE

The County Board of Supervisors approves the updated MSCP Subarea Map with receipt of the 2009 MSCP Annual Report. The updated map changes the designations of minor or major amendment areas that have received approved amendments from the County, with concurrences from the Wildlife Agencies. The designations are changed from amendment areas to either take authorized, if there was a loss, or hardline preserve, if there was a gain. As no changes were made to the map in 2009, the map adopted as part of the 2008 MSCP Annual Report remains current.

Table 3. County Mitigation Banks 2009

	Coast Live Oak Woodland	Coastal Sage Scrub	Disturbed/ Ruderal	Engelman Oak Woodland	Marsh/ Riparian scrub/ Floodplain	Mixed Chaparral	Native Grasslands	Non-Native Grasslands	Southern Willow Scrub	Southern Riparian/ Oak Woodland	Totals
Boden Canyon											
Total	0.8	10.2	0	2.5	0	14.9	0.1	1	0	10	39.5
Used	0.8	10.2	0	2.5	0	0	0	0.32	0	10	23.82
Remaining	0	0	0	0	0	14.9	0.1	0.68	0	0	15.68
Old Castle											
Total	0.62	41.2	0	0	0	17.95	0	0	0.25	0	60.02
Used	0.62	40.78	0	0	0	0	0	0	0.11	0	41.51
Remaining	0	0.42	0	0	0	17.95	0	0	0.14	0	18.51
Rancho San Diego											
Total	4.8	226.2	80.3	0	2.4	19.6	3.4	0	0	72.5	409.2
Used	3.99	55.56	1.86	0	0.34	7.33	0.51	0	0	11.64	77.87
Remaining	0.81	170.64	78.44	0	2.06	12.27	2.89	0	0	60.86	331.33
Singing Hills											
Total	0	69.7	0	0	0	0	0	0	0	0	69.7
Used	0	0.69	0	0	0	0	0	0	0	0	0.69
Remaining	0	69.01	0	0	0	0	0	0	0	0	69.01
Sweetwater											
Total	0	0	0	0	26	0	0	0	0	0	26
Used	0	0	0	0	11.959	0	0	0	0	0	18.12
Remaining	0	0	0	0	14.041	0	0	0	0	0	7.88
Total Remaining Acres	0.81	240.07	78.44	0	16.101	45.12	2.99	0.68	0.14	60.86	445.211

Table 4. Summary of Project Gains

MSCP South San Diego County

From 1/1/2009 To 12/31/2009

County of San Diego

Project Tracking #	Project Name	Location	Applicant	APN	Date Cons.	Status	Mgmt Resp.	Conservation Type	Mit. Bank Credits Used	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Total Acres
Segment: South County												
09-065	Federal Acquisition 2009		USFWS		5/18/2009	Gain	Federal	Acquisition	0.00	0.00	29.20	29.20
09-066	Otay Ranch Preserve		Otay Ranch Company		12/11/2009	Gain	Mixed	Covenant	0.00	0.00	1,248.06	1,248.06
Total for Segment: South County									0.00	0.00	1,277.26	1,277.26
Segment: South Metro Lakeside Jamul												
09-067	Endangered Habitats League Gain		Endangered Habitats League		2/18/2009	Gain	Federal	Easement	0.00	0.00	153.94	153.94
Total for Segment: South Metro Lakeside Jamul									0.00	0.00	153.94	153.94
Total for Agency: County of San Diego									0.00	0.00	1,431.20	1,431.20

Note: These acreages are derived from GIS data and are not intended nor do they replace actual legal surveys and the ownership and legal description information in the chain of title and other information contained in official government records such as the County Clerk and Recorder's office, Assessor's office or the courts.

Table 5. Summary of Project Losses

MSCP South San Diego County

From 1/1/2009 To 12/31/2009

County of San Diego

Project Tracking #	Project Name	Location	Applicant	APN	Date of Loss	Status	CEQA Doc.	Activity Type	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Total Acres
Segment: Lake Hodges											
09-052	BP McCrink		McCrink Land Co		2/27/2009	Loss	0	Commercial	0.00	0.32	0.32
09-008	BP McGrath		McGrath, Tom		3/18/2009	Loss	0	Single-Family Residential	0.00	0.00	0.00
Total for Segment: Lake Hodges									0.00	0.32	0.32
Segment: North Metro Lakeside Jamul											
09-040	BP Antonio		Antonio, Angel		9/23/2009	Loss	0	Multi-Family Residential	0.65	0.00	0.65
09-016	BP Clark		Clark, Brian		8/28/2009	Loss	0	Single-Family Residential	0.54	0.00	0.54
09-058	BP Clody		Clody Property		10/26/2009	Loss	0	Single-Family Residential	0.53	0.00	0.53
09-046	BP Collura		Collura Residence		2/17/2009	Loss	0	Single-Family Residential	0.01	0.00	0.01
09-006	BP Curcio		Curcio, Basil		5/18/2009	Loss	0	Single-Family Residential	1.32	0.00	1.32
09-050	BP Debenham		Debenham, Scott		7/17/2009	Loss	0	Single-Family Residential	0.20	0.00	0.20
09-034	BP Digenan		Digenan, John		8/4/2009	Loss	0	Single-Family Residential	0.00	1.09	1.09
09-031	BP Eagles Nest		Eagles Nest		7/21/2009	Loss	0	Single-Family Residential	0.88	0.00	0.88
09-001	BP Ernst		Ernst, John		5/1/2009	Loss	0	Single-Family Residential	0.34	0.00	0.34
09-025	BP Fairbanks Ranch Fire Station		Fairbanks Ranch Fire Station		9/29/2009	Loss	0	Commercial	1.50	0.00	1.50
09-033	BP Farkas		Farkas, Tibor		7/17/2009	Loss	0	Single-Family Residential	0.00	0.27	0.27
09-007	BP Frankel		Frankel, Allan		4/2/2009	Loss	0	Single-Family Residential	0.48	0.00	0.48
09-030	BP Global Power Group		Global Power Group		7/15/2009	Loss	0	Industrial	0.79	0.00	0.79
09-017	BP Haider		Haider, Thomas		9/2/2009	Loss	0	Single-Family Residential	1.13	0.35	1.48
09-023	BP High Meadow Ranch		High Meadow Ranch		9/17/2009	Loss	0	Single-Family Residential	1.22	0.00	1.22
09-024	BP High Meadow Ranch 2		High Meadow Ranch		9/17/2009	Loss	0	Single-Family Residential	0.94	0.00	0.94

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Project Tracking #	Project Name	Location	Applicant	APN	Date of Loss	Status	CEQA Doc.	Activity Type	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Total Acres
Segment: North Metro Lakeside Jamul											
09-019	BP Knaus		Knaus, Heimo		9/10/2009	Loss	0	Single-Family Residential	1.33	0.00	1.33
09-051	BP Lopez		Lopez Family		3/27/2009	Loss	0	Multi-Family Residential	0.60	0.00	0.60
09-021	BP Lypps		Lypps, Charles		9/11/2009	Loss	0	Single-Family Residential	0.51	0.00	0.51
09-045	BP McCullough		McCullough, Art		1/5/2009	Loss	0	Single-Family Residential	0.87	0.00	0.87
09-008	BP McGrath		McGrath, Tom		3/18/2009	Loss	0	Single-Family Residential	0.19	0.72	0.91
09-053	BP McGuire		McGuire		6/19/2009	Loss	0	Single-Family Residential	1.26	0.00	1.26
09-056	BP McKeon		McKeon, Rick		10/23/2009	Loss	0	Single-Family Residential	0.02	0.30	0.33
09-055	BP Moinzadeh		Moinzadeh Family Trust		10/20/2009	Loss	0	Single-Family Residential	0.93	0.00	0.93
09-032	BP Otto		Otto LLC		7/21/2009	Loss	0	Single-Family Residential	0.93	0.00	0.93
09-018	BP Reed		Reed, Larry		9/4/2009	Loss	0	Single-Family Residential	0.65	0.00	0.65
09-057	BP Ruiz		Ruiz		10/13/2009	Loss	0	Single-Family Residential	0.69	0.10	0.79
09-035	BP Scott		Scott, Michael & Lisa		8/4/2009	Loss	0	Single-Family Residential	1.29	0.02	1.30
09-004	BP Spero		Spero, Alan		4/8/2009	Loss	0	Single-Family Residential	0.00	0.42	0.42
09-054	BP Villa Nafissa		Villa Nafissa		2/11/2009	Loss	0	Commercial Recreation	0.00	0.70	0.70
09-059	BP Wells		Lloyd Wells		11/16/2009	Loss	0	Single-Family Residential	2.65	0.00	2.65
09-062	BP Woodward		Helen Woodward Animal Center		10/30/2009	Loss	0	Commercial	0.28	0.00	0.28
09-013	CP Bradley		Bradley, Bob		4/15/2009	Loss	0	Single-Family Residential	1.42	0.00	1.42
09-011	CP Briski		Briski		4/3/2009	Loss	0	Single-Family Residential	8.85	0.00	8.85
09-012	CP Heilpern		Heilpern		4/10/2009	Loss	0	Single-Family Residential	0.25	0.00	0.25
09-028	CP Ruvalcaba		Ruvalcaba		4/13/2009	Loss	0	Single-Family Residential	3.67	0.00	3.67
09-038	CP Salmond		Salmond		4/27/2009	Loss	0	Single-Family Residential	3.86	0.00	3.86
09-041	TPM Pepper		Pepper Properties		6/24/2009	Loss	0	Multi-Family Residential	1.38	0.00	1.38

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Project Tracking #	Project Name	Location	Applicant	APN	Date of Loss	Status	CEQA Doc.	Activity Type	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Total Acres
Total for Segment: North Metro Lakeside Jamul									42.16	3.98	46.13
Segment: South County											
09-064	PM15769		Scannell Properties		12/11/2009	Loss	0	Single-Family Residential	37.06	0.00	37.06
Total for Segment: South County									37.06	0.00	37.06
Segment: South Metro Lakeside Jamul											
09-022	BP Benson		Benson Family Trust		9/14/2009	Loss	0	Single-Family Residential	0.37	0.00	0.37
09-044	BP Chiles		Chiles, Chuck		1/20/2009	Loss	0	Single-Family Residential	0.89	0.00	0.89
09-026	BP Ciaramitaro		Ciaramitaro, Mike & Hilda		9/25/2009	Loss	0	Single-Family Residential	0.34	0.00	0.34
09-015	BP Garcia		Garcia, Jesus & Martha		10/6/2009	Loss	0	Single-Family Residential	0.18	0.12	0.30
09-036	BP Hackney		Hackney, Dale		8/12/2009	Loss	0	Single-Family Residential	0.74	0.00	0.74
09-003	BP Hitt		Hitt, Joris		5/29/2009	Loss	0	Single-Family Residential	0.14	0.00	0.14
09-048	BP Jamul Fire Station		Jamul Fire Station		2/9/2009	Loss	0	Commercial	5.72	0.00	5.72
09-049	BP Luther		Luther		6/16/2009	Loss	0	Single-Family Residential	0.91	0.00	0.91
09-027	BP Master Link		Master Link LLC		8/26/2009	Loss	0	Single-Family Residential	1.68	0.00	1.68
09-063	BP Pearson		Robert Pearson		12/17/2009	Loss	0	Single-Family Residential	0.39	0.00	0.39
09-060	BP Powell		Tim Powell		11/17/2009	Loss	0	Single-Family Residential	0.25	0.00	0.25
09-047	BP Radlauer		Radlauer Family		2/6/2009	Loss	0	Single-Family Residential	0.84	0.00	0.84
09-020	BP Salsberry		Salsberry, Mark & Linda		9/14/2009	Loss	0	Single-Family Residential	2.30	0.00	2.30
09-005	BP Velazquez		Velazquez, Jose		4/14/2009	Loss	0	Single-Family Residential	1.13	0.00	1.13
09-014	BP Zanaid		Zanaid, Zaki		7/9/2009	Loss	0	Single-Family Residential	0.14	0.00	0.14
09-037	CP Abigail		Abigail		4/29/2009	Loss	0	Single-Family Residential	3.62	0.00	3.62
09-010	CP Hernandez		Hernandez		4/10/2009	Loss	0	Single-Family Residential	2.30	0.00	2.30
09-039	CP Lackritz		Lackritz		6/3/2009	Loss	0	Single-Family Residential	0.24	0.00	0.24

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Project Tracking #	Project Name	Location	Applicant	APN	Date of Loss	Status	CEQA Doc.	Activity Type	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Total Acres
Segment: South Metro Lakeside Jamul											
09-061	CP Macha		Diana Macha		9/10/2009	Loss	0	Single-Family Residential	4.50	0.00	4.50
09-009	CP Samuel		Garcia, Samuel		1/5/2009	Loss	0	Single-Family Residential	0.00	0.18	0.18
09-043	PM Hughes		Hughes, Robert		1/23/2009	Loss	0	Single-Family Residential	3.05	0.00	3.05
09-042	PM Morici		Morici, Pietro		5/28/2009	Loss	0	Single-Family Residential	0.64	0.00	0.64
Total for Segment: South Metro Lakeside Jamul									30.38	0.31	30.69
Total for Agency: County of San Diego									109.59	4.61	114.20

Note: These acreages are derived from GIS data and are not intended nor do they replace actual legal surveys and the ownership and legal description information in the chain of title and other information contained in official government records such as the County Clerk and Recorder's office, Assessor's office or the courts.

Table 6. Habitat Conservation Accounting Model
MSCP South San Diego County

From 1/1/2009 To 12/31/2009

Project Gain Status: Gain

Project Loss Status: Loss

<i>County of San Diego</i>	Total Subarea Habitat Preserve	Conservation Target	Estimated Take	Conservation Ratio	Cumulative Conservation Inside Habitat Preserve	Max. Allowable Impacts for the Current Period	Actual Loss Inside Habitat Preserve for Current Period	+ or - Max. Allowable Impacts
Beach	0	0	0	0.00	0.00	0.00	0.00	n/a
Saltpan	0	0	0	0.00	0.00	0.00	0.00	n/a
Southern Foredunes	0	0	0	0.00	0.00	0.00	0.00	n/a
Southern Coastal Bluff Scrub	0	0	0	0.00	0.00	0.00	0.00	n/a
Coastal Sage Scrub	23,569	18,717	4,852	3.86	9,944.36	2,805.29	5.01	-
Maritime Succulent Scrub	0	0	0	0.00	0.00	0.00	0.00	n/a
Chaparral	22,179	18,662	3,517	5.31	12,256.68	2,430.58	7.61	-
Southern Maritime Chaparral	0	0	0	0.00	0.00	0.00	0.00	n/a
Coastal Sage-Chaparral Scrub	1,366	1,152	214	5.38	711.01	140.27	0.89	-
Grassland	2,145	1,741	404	4.31	1,022.21	253.88	6.94	-
Southern Coastal Salt Marsh	0	0	0	0.00	0.00	0.00	0.00	n/a
Freshwater Marsh	15	15	0	0.00	6.75	0.00	0.00	n/a
Riparian Forest	84	84	0	0.00	63.84	0.00	0.00	n/a
Oak Riparian Forest	2,044	2,043	1	2,043.00	756.61	0.43	2.17	+
Riparian Woodland	6	6	0	0.00	4.24	0.00	0.00	n/a
Riparian Scrub	298	298	0	0.00	37.21	0.00	0.72	+
Oak Woodland	2,355	1,912	443	4.32	918.84	235.90	4.11	-
Torrey Pine Forest	0	0	0	0.00	0.00	0.00	0.00	n/a
Tecate Cypress Forest	0	0	0	0.00	0.00	0.00	0.00	n/a
Eucalyptus Woodland	53	41	12	3.42	13.12	4.66	0.00	-
Open Water	124	124	0	0.00	2.46	0.00	0.00	n/a
Disturbed Wetland	52	52	0	0.00	46.80	0.00	0.00	n/a
Natural Floodchannel	197	197	0	0.00	11.43	0.00	0.00	n/a
Shallow Bays	0	0	0	0.00	0.00	0.00	0.00	n/a
Pacific Ocean/Deep Bay	0	0	0	0.00	0.00	0.00	0.00	n/a
Disturbed Land	1,259	0	1,259	0.00	231.97	0.00	2.92	+
Agriculture	1,608	0	1,608	0.00	425.54	0.00	23.78	+
Urban/Developed	0	0	0	0.00	20.74	0.00	22.67	+
Total Acres for Agency: County of San Diego					26,473.81		76.82	

Notes: The Agriculture and Urban/Developed category is included to account for all land included within a project and habitat preserve planning area.

This report only pertains to the Metro-Lakeside-Jamul segment of the County's Subarea Plan. It includes gains that occur within the Pre-approved Mitigation Area (PAMA) while counting all losses within the entire segment.

These acreages are derived from GIS data and are not intended nor do they replace actual legal surveys and the ownership and legal description information in the chain of title and other information contained in official government records such as the County Clerk and Recorder's office, Assessor's office or the courts.

Table 7. Summary of Habitat Losses and Gains

Plan: MSCP South San Diego County

Project Gain Status: Gain

Date Range: 1/1/2009 - 12/31/2009

Project Loss Status: Loss

County of San Diego		Acres Inside the Habitat Preserve Planning Area					Acres Outside the Habitat Preserve				Total Acres			
		Habitat Loss		Habitat Gain			Habitat Loss		Habitat Gain		Habitat Loss		Habitat Gain	
Habitat Type	Target Cons.	Current Period	Cummulative	Current Period	Cummulative	Cons. to Date %	Current Period	Cummulative	Current Period	Cummulative	Current Period	Cummulative	Current Period	Cummulative
Beach	0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saltpan	0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Southern Foredunes	0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Southern Coastal Bluff Scrub	0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coastal Sage Scrub	42,873	1.0	532.5	620.2	25,168.0	58.7 %	4.2	1,207.8	13.3	6,633.8	5.2	1,740.3	633.5	31,801.8
Maritime Succulent Scrub	6	0.0	0.0	0.0	3.4	55.9 %	0.0	0.0	0.0	8.2	0.0	0.0	0.0	11.6
Chaparral	39,871	0.3	254.8	437.7	30,930.3	77.6 %	7.3	2,260.8	2.7	6,322.1	7.6	2,515.6	440.5	37,252.4
Southern Maritime Chaparral	5	0.0	1.9	0.0	5.6	112.5 %	0.0	9.8	0.0	22.7	0.0	11.7	0.0	28.3
Coastal Sage-Chaparral Scrub	1,325	0.0	10.7	91.7	895.6	67.6 %	0.9	129.8	0.0	659.7	0.9	140.5	91.7	1,555.4
Grassland	3,171	0.3	45.9	133.9	1,759.3	55.5 %	6.7	936.5	0.0	747.9	6.9	982.4	133.9	2,507.2
Southern Coastal Salt Marsh	0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Freshwater Marsh	233	0.0	0.3	0.0	120.3	51.7 %	0.0	4.5	0.0	42.7	0.0	4.7	0.0	163.1
Riparian Forest	348	0.0	0.4	0.0	277.3	79.7 %	0.0	2.0	0.0	55.8	0.0	2.4	0.0	333.1
Oak Riparian Forest	2,192	0.7	27.6	6.3	828.5	37.8 %	1.5	44.1	0.0	397.3	2.2	71.7	6.3	1,225.8
Riparian Woodland	20	0.0	0.0	0.0	10.9	54.4 %	0.0	0.0	0.0	6.5	0.0	0.0	0.0	17.3
Riparian Scrub	383	0.7	3.6	0.0	100.1	26.1 %	0.0	13.0	0.0	38.3	0.7	16.5	0.0	138.4
Oak Woodland	2,211	0.8	32.0	26.5	984.1	44.5 %	3.3	73.1	0.0	268.4	4.1	105.1	26.5	1,252.6
Torrey Pine Forest	0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tecate Cypress Forest	5,589	0.0	0.0	110.6	5,601.4	100.2 %	0.0	0.0	0.0	0.0	0.0	0.0	110.6	5,601.4
Eucalyptus Woodland	105	0.1	9.1	0.0	42.1	40.1 %	0.0	393.5	0.0	30.9	0.1	402.6	0.0	73.0
Open Water	149	0.0	0.0	0.0	20.6	13.9 %	0.0	6.2	0.0	15.1	0.0	6.2	0.0	35.8
Disturbed Wetland	90	0.0	2.0	0.0	77.5	86.1 %	0.0	16.2	0.0	19.5	0.0	18.2	0.0	97.0
Natural Floodchannel	225	0.0	0.0	0.0	28.5	12.7 %	0.0	0.0	0.0	4.8	0.0	0.0	0.0	33.3
Shallow Bays	0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pacific Ocean/Deep Bay	0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Disturbed Land	0	0.0	99.6	4.2	419.0		2.9	650.3	0.0	253.4	2.9	749.9	4.2	672.4
Agriculture	0	0.6	86.6	0.0	467.7		60.2	1,122.1	0.0	2,064.3	60.8	1,208.7	0.0	2,532.0
Urban/Developed	0	0.1	40.0	0.1	58.6		22.6	1,793.7	0.0	430.9	22.7	1,833.6	0.1	489.5
Agency Total:		4.6	1,147.0	1,431.2	67,798.9		109.6	8,663.3	16.1	18,022.5	114.2	9,810.3	1,447.3	85,821.3

Notes: The Agriculture and Urban/Developed category is included to account for all land included within a project and habitat preserve planning area.

These acreages are derived from GIS data and are not intended nor do they replace actual legal surveys and the ownership and legal description information in the chain of title and other information contained in official government records such as the County Clerk and Recorder's office, Assessor's office or the courts.

Table 8. Management of Private Mitigation Land 2009

Project Name	APN	Final RMP Date	Habitat Manager	Annual Report Due	Habitat Conservation Area Description	Monitoring Completed in 2009	Management Activities Completed in 2009
4S Ranch	Lusardi Creek Portion (south) 312-284-01, 312-285-01, 312-150-04 Artesian Creek Portion (mid) 678-670-21, 678-671-03 North 678-050-49, 678-030-08, 678-050-51	Sep-1999	Newland Communities / 4S Kelwood General Partnership	July	A total of approximately 547 acres of open space is located on this property. 312 acres are located in the northern portion of the project, adjacent to the Ralph's Family Reserve, and 230 acres is located in the southerly portion of the site within La Jolla Valley, surrounding the Lusardi Creek riparian corridor.	Monitoring period began in July 2008 and ended in March 2009 included rare plant survey.	- Regular patrols - Erosion Control - Mapped perennial invasives - Weed control/removal - Irrigation system adjustments - Trash and debris removal
4S Ranch - Ralph's	678-030-07, 678-031-01	Sep-1999	Joaquin Meza	July		2009 report has not been submitted	
Artesian Trail	267-142-33, 34, 35, 36	4/17/2007	San Dieguito River Park Conservancy, P.O. Box 89, Del Mar, CA 92019	September 1st	The project dedicated approximately 3.2 acres of land into open space in response to a four lot subdivision. The site is located in the Community of Rancho Santa Fe, four miles west of Interstate 15, south of Artesian Road. The property preserve approximately 2.6 acres of non-native grassland and 0.6-acre of coastal sage scrub into open space. Observed on the property was the federally threatened thread-leaf brodiaea (<i>Brodiaea filifolia</i>), approximately 688 individuals and California adolphia (<i>Adolphia californica</i>), approximately 155 individuals.	2009 report has not been submitted	
Bernardo Lakes	678-432-01, 678-430-25, 678-070-31, 678-070-35, 678-420-26, 678-422-01, 678-420-27, 678-421-01, 678-422-02, 678-422-04	Feb-1998	No known HM		A total of 111.8 acres of open space is dedicated with 71.8 acres of the 111.8 previously conveyed. The open space is located west of the current western terminus of Rancho Bernardo Road, immediately north of Artesian Road and west of Four Gee Road. The property consists mostly of coastal sage scrub with some freshwater marsh, southern willow scrub, and non-native grassland.	2009 report has not been submitted. This is a former TET property. The HOA is responsible for acquiring a habitat manager.	

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Project Name	APN	Final RMP Date	Habitat Manager	Annual Report Due	Habitat Conservation Area Description	- Monitoring Completed in 2009	Management Activities Completed in 2009
Blossom Valley	390-061-03, 390-061-04	January 2007 (updated Plan to be received 2012)	Center For Natural Lands Management	December	The 286-acre habitat conservation area was dedicated in fee to the Center for Natural Lands Management in July 2009 as off-site mitigation for the Blossom Valley Estates development. The site is located in Blossom Valley, ~ 2 miles east of Lake Jennings. The site supports Diegan coastal sage scrub, southern mixed chaparral, and coast live oak woodland of which all burned completely during the Cedar Fire in 2003. The site's terrain is very steep and rugged.	- Coastal sage scrub study plots were monitored. These plots were previously treated to test the effectiveness of grass specific herbicide on reducing nonnative grasses yet preserving native herbs and shrubs. - Surveys for two sensitive plant species, Delicate Clarkia and Rush-like Bristleweed, were conducted	- Routine patrols were conducted - Property markers were installed along the northern and southern property lines - Mountain Lion and Rattlesnake signs were posted to educate and warn trail users of the presence or potential presence of these species
Cielo Del Norte	264-051-04, 264-053-19					2009 report has not been submitted	
El Apajo	268-360-15	Jun-2003			This is a 25.6-acre open space area for annual grassland and wetlands. The project is located within the San Dieguito River Valley along Via de Santa Fe Road northwest of its junction with El Apajo Road.	2009 report has not been submitted	
Greenhills Ranch	395-452-01	Sep-2006			The 44.04 acre open space is located south of Lake Jennings Road and west of Interstate 8. Observed on the property were California gnatcatcher, San Diego cactus wren, southern California rufous-crowned sparrow, silvery legless lizard, Coronado skink, western spadefoot, black-tailed jackrabbit, mule deer, turkey vulture, Bewick's wren, San Diego sunflower, prostrate spineflower, and ashy spike-moss.	2009 report has not been submitted	
Maranatha Chapel	267-060-37	10/30/2002			The project is located at the western terminus of Rancho Bernardo Road, between Artesian Road and Del Dios Highway. Approximately 117 acres of open space is located on a rectangular parcel. Nearly half of the property is Diegan coastal sage scrub habitat (65.98 acres), with the remaining habitat as non-native grassland (27.32 acres), chaparral (8.81 acres), oak woodland (1.5 acres), freshwater marsh (0.99-acre), eucalyptus woodland, disturbed (roads), and developed land.	2009 report has not been submitted	

COUNTY OF SAN DIEGO 2009 MSCP ANNUAL REPORT, YEAR 12

Project Name	APN	Final RMP Date	Habitat Manager	Annual Report Due	Habitat Conservation Area Description	Monitoring Completed in 2009	Management Activities Completed in 2009
Onyx Ridge	264-680-11	Nov-2005	Escondido Creek Conservancy		The project is located within the Rancho Cielo Specific Plan, located approximately two miles north of Del Dios Highway and one-half mile south of Harmony Grove Road. A total of 71.5 acres of open space is located on the Onyx Ridge Property. Habitats include black sage dominated sage scrub, oak woodland, and riparian.	2009 report has not been submitted	
Salvati-Golem HOA	678-020-02, 03, 678-021-02, 03, 265-320-03	Apr-00	San Dieguito River Valley Joint Powers Authority		154 acres of open space was set aside in order to preserve Adolphia californica, Juncus acutus ssp. leopoldii, Iva haysiana, Del Mar manzanita, Ceanothus verrucosus, California gnatcatcher, southern California rufous-crowned sparrow, coastal western whiptail, and mountain lion.	2009 report has not been submitted	
Santa Fe Meadows	267-142-05		Santa Fe Meadows HOA			2009 report has not been submitted	
Santa Fe Valley Mccrink Ranch	267-060-40, 45, 265-320-11, 13, 19, 20, 23, 25	1/10/2003			This is a 270-acre preserve area that is located in west-central San Diego County, approximately 5 miles east of Interstate 5 and 3 miles west of Interstate 15, south of Del Dios Highway. The site primarily supports coastal sage scrub and southern mixed chaparral	2009 report has not been submitted	
Sunroad Enterprises	646-080-26	Dec-2003			Approximately 51.3 acres are included in an open space easement. All of the vernal pools onsite supporting three USFWS threatened and endangered species are preserved onsite. The project is located in Otay Mesa, east of Brown Field and is east and west of Harvest Road.	2009 report has not been submitted	

COUNTY OF SAN DIEGO 2009 MSCP ANNUAL REPORT, YEAR 12

Project Name	APN	Final RMP Date	Habitat Manager	Annual Report Due	Habitat Conservation Area Description	Monitoring Completed in 2009	Management Activities Completed in 2009
The Crosby at Rancho Santa Fe	265-320-18, 21, 22, 24, 18, 265-291-21, 25, 27, 265-290-41, 43, 267-050-42, 44, 46	6/28/2004	Rincon Consultants,	July	The open space is equivalent to approximately 170 acres, located in the north-central San Diego County , along the San Dieguito River corridor south of del Dios Highway at Bing Crosby Boulevard. 14 sensitive plant species and 12 sensitive wildlife species were observed onsite: California adolphia, San Diego mesa mint, San Diego button celery, spreading navarretia, Orcutt's brodiaea, San Diego ambrosia, Del Mar manzanita, Nuttall's scrub oak, San Diego barrel cactus, San Diego marsh elder, San Diego sagewort, southwestern spiny rush, summer holly, white coast ceanothus, Bell's sage sparrow, California horned lark, California gnatcatcher, Cooper's hawk, great blue heron, orange-throated whiptail, loggerhead shrike, northern harrier, San Diego black-tailed jackrabbit, southern California rufous crowned sparrow, white-tailed kite, and San Diego fairy shrimp.	Since the 2007 wildfires, vegetation within the open space has substantially recovered. Large stands of southern willow scrub and freshwater marsh vegetation have emerged throughout the San Dieguito River. Coastal sage scrub and maritime chaparral have re-vegetated slopes from stump sprouts	- Mapped invasives - Erosion control - Trash removal - Fence construction
Woodridge	395-151-70, 395-151-69, 395-432-30, 395-432-31	June 2005 (to be updated 2010)	Center For Natural Lands Management	December	Locate south of Pino Drive and west of Lakeview Drive in Lakeside, about 1/2 mile west of Lake Jennings. There is approximately 55 acres of Diegan coastal sage scrub and native grasslands, and a small patch of eucalyptus woodland, and supports the federally-listed threatened coastal California gnatcatcher. The Center for Natural Lands Management received title to the property in the December of 1999 at which time the Woodridge habitat conservation areas management commenced. The County of San Diego holds an Open Space Easement on the conservation area.	No biological surveys were conducted during the 2009 fiscal year.	- Fuel management - Regular patrol conducted every 10-14 days during the year - Site enforcement - Trash pick up - Nonnative plant removal - Signs and fences routinely checked and maintained as necessary. - 2 signs were posted near the southwest corner and one near the southeast corner of the Preserve

Figure 1.

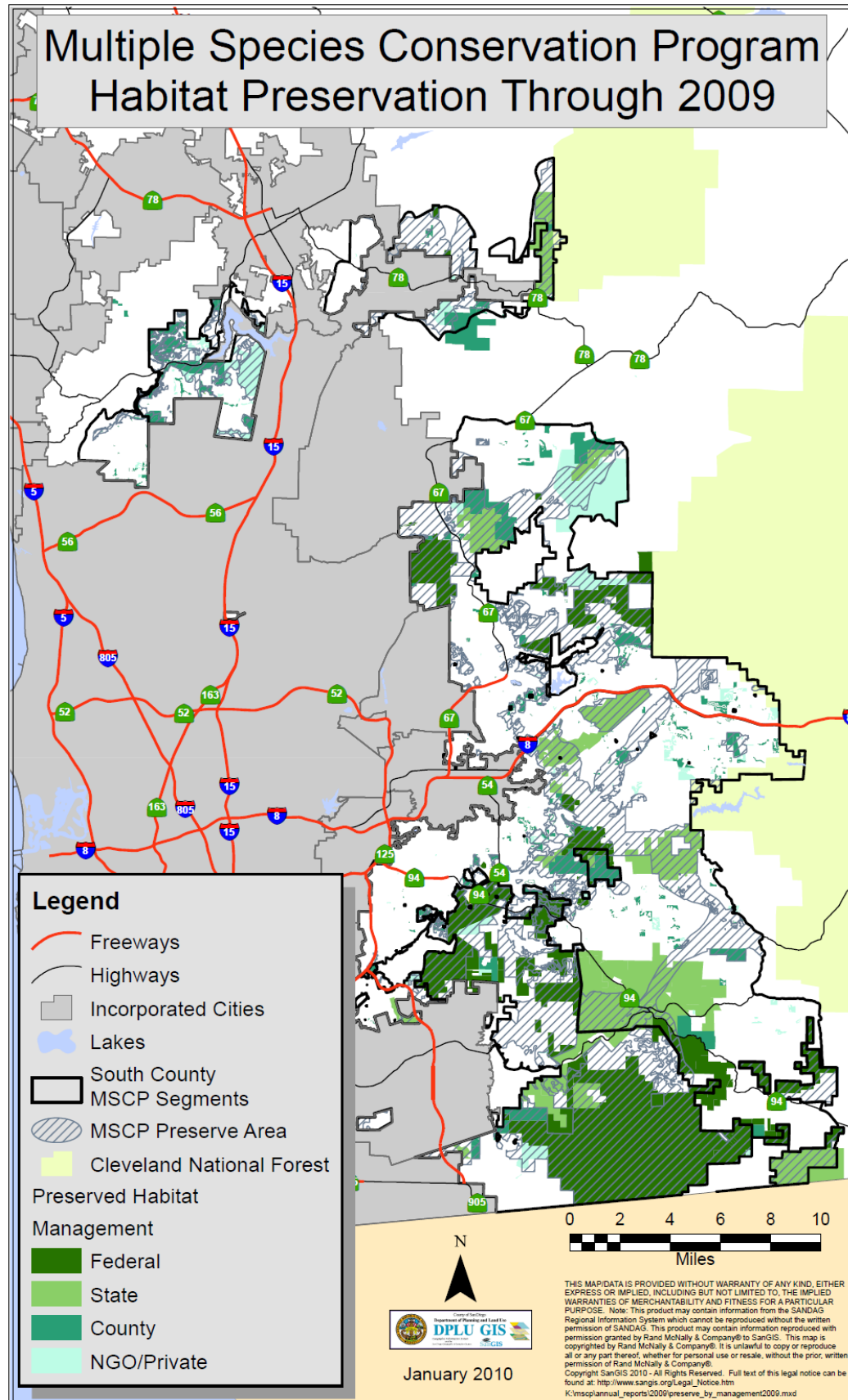


Figure 2.

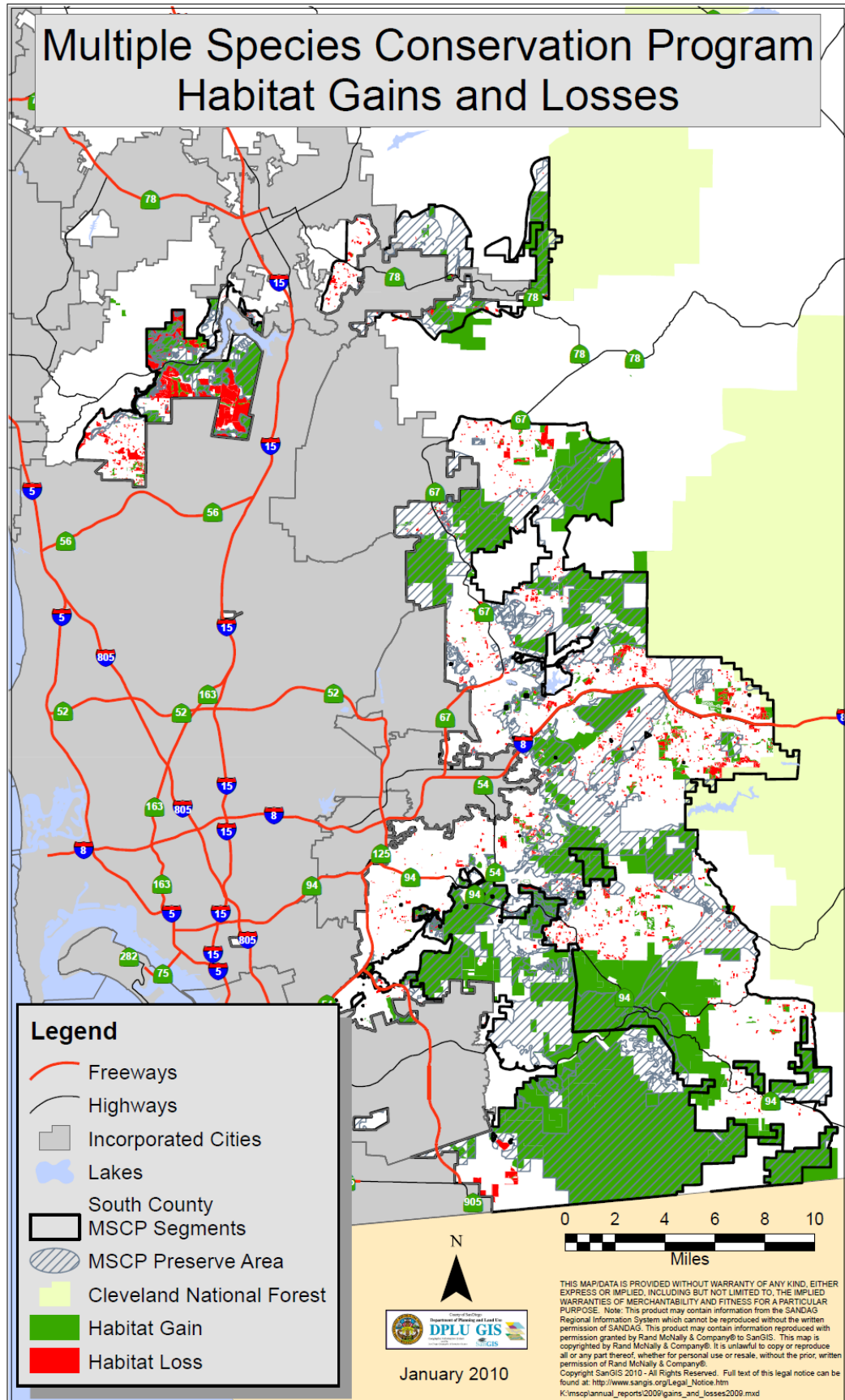


Figure 3.

No changes made in 2009; therefore; the 2008 South County MSCP Subarea Plan Map is current.

